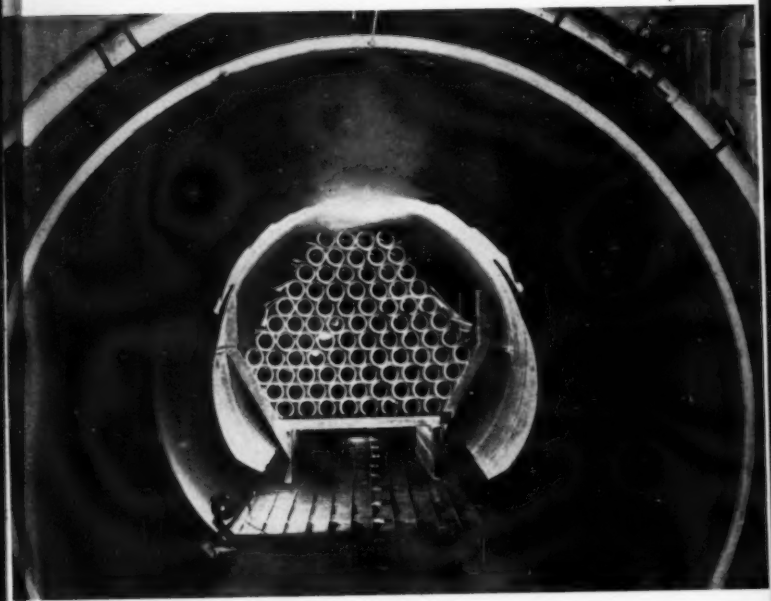
ASBESTOS



JULY 1951

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"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE

BY SECRETARIAL SERVICE
808 WESTERN SAVING FUND BLDG.
S. E. COR. BROAD & CHESTNUT STS.
PHILADELPHIA, 7, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*

A. S. ROSSITER, *Editor* E. E. COX, *Circulation Manager*

Entered As Second Class Matter November 23, 1923, at the Post Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879

Volume 33 JULY 1951 Number 1

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ASBESTOS is indexed regularly by Engineering Index, Inc.

SUBSCRIPTION PRICE

United States - - - - - - $2.00 Per Year
Canada - $3.00 Per Year Foreign Countries - $3.00 Per Year
Back Copies - .35 Each Single Copies - (Current) .25 Each
(Payable in U. S. Funds)

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TRANSITE PIPE CURING

Our new cover picture, beginning our 33rd Volume, shows experimental units of Transite asbestos-cement pipe being cured in this high-pressure steam auto-clave in the Product Development building of the Johns-Manville Research Center, Manville, N. J. The curing method used here materially reduces the time formerly required for the process and effects significant improvements in pipe quality and strength.

INDEPENDENCE DAY

July 4th, even tho it will be past when you read this, is a most important day for every American citizen. On this day most Americans young or old, are reminded of the battles fought, the lives lost, and the tremendous other sacrifices made by their forbearers for a great ideal, independence. The independence for which they fought was, to them, something all important, something worth, if necessary one's life.

Some weeks ago, on television, we saw a short re-enactment of the story of Nathan Hale. It was well portrayed and, as it progressed, a thought or rather a question kept growing in our mind. It was "If any group of modern Americans were put in the place of Nathan Hale, how many would, in this day and age, take hold the position he did?" Our own rather discouraging answer was "Very few if any". In plain words we feel that there are very few citizens of the U. S. A. today who are so imbrued with the basic ideals of this country of ours that they would, faced with the cold proposition, give up their lives for it.

The military man does not offer a fair basis of comparison. He is trained for battle, he knows it is dangerous, but in most cases he is willing to take his chances along with the rest. Very seldom is he faced with a proposition such as was presented to Nathan Hale, where alone he must decide whether he will betray his country and live, or be true to his ideals and surely die.

We believe that much of this change in individual attitudes is due, not so much to a general deterioration in the moral fiber of our people, but rather to the radical

CARRELL J. STOVER

changes, which have occurred in all society since Revolutionary days.

Improved communications and transportation have contracted the whole world as well as every nation in it. The word *"independence"* no longer means what it did in 1776. The fact is that, except in rare individual cases there is no longer any *"independence"* in the true sense of the word. No group, state, or nation can any longer claim it is completely "independent". Instead, in truth, we, as people or as nations, are constantly becoming more completely *"interdependent"*

Unfortunately, under these conditions, an individual, or a nation is apt to discount his or its possible contribution to the welfare of the entire group. Anyone who would calmly go to the gallows for his belief in our kind of freedom would probably be considered a fanatic today.

On the other hand, isn't this just the sort of thing our country could best use in these trying times? Shouldn't we all hark back to the faith of our fathers and stand on our own feet in defense of our ideals? Interdependence of nations and of individuals is a fact today but in any group of interdependants a few strong independants can lead the way to a better life for the whole group.

In our mind this continual harping on our *"interdependency"* results in an insidious undermining of our ability and will to think and act for oursleves (and for others) at the opportune moment. We still believe that the independent in thought and action will continue to lead the world and that under stress on *"interdependence"* can only tend to weaken us as individuals and as a nation.

Let us then not only on Independence Day, but every day, keep firmly fixed in our minds the necessity of continually striving to maintain that independence of thought and freedom of action, which have been the foundation stones of our country's success.

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Has available large quantity of Standard Amosite Blanket 1" thick, 5' wide, 250 sq. ft. rolls. Greatly reduced price.

PRODUCTION OF CROCIDOLITE OR BLUE ASBESTOS IN SOUTH AFRICA

The increasing production of this class of asbestos has brought about an unprecedented advance in mining and milling methods on the "Blue" fields.

By—W. E. Sinclair, M.I.M.M.*

Crocidolite, or "Blue" asbestos, as it is more commonly called, occurs in a rock formation located in two separate areas in the Union of South Africa. The small map, Figure 1, shows the relative position of these areas —the more extensive in the Cape and the smaller in the Transvaal.

FIGURE 1. *Comparative position and extent of the Cape and Transvaal Blue asbestos fields.*

It will be seen from this map that the asbestos bearing formations cover considerable areas. This is accounted for by the mode of occurrence of the crocidolite deposits, consisting as they do of interbedded cross-fibre seams which follow the strike of the Stratified beds of banded ironstone rocks in which they occur. This banded iron-

*Consulting Mining Engineer

W.E. SINCLAIR
SKETCH & PHOTO
SUPPLIED BY SINCLAIR

ASBESTOS "Shorts and Floats"...

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Because of their unique fibrous and mineral nature, asbestos "shorts" and "floats" have become important ingredients in an ever-increasing variety of products. To many, these forms of asbestos add strength and durability. To others, they serve as fillers or conditioners. And to still others, asbestos "shorts" and "floats" add valuable heat-resistant and frictional properties. A few typical products . . . paints, moulded plastics, brake linings, asphalt floor tiles, gypsum joint sealers, lubricating greases, welding rods, auto underbody coatings.

If you would like to know more about the various uses, properties and classifications of these versatile forms of asbestos, write for brochure AFD-4A.

JM

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stone formation is a section of the Transvaal System of rocks which, in the Cape, are known as the Griquatown Series, and consist of a massive thickness of beds of ferruginous jaspers and banded magnetic ironstones.

In the Transvaal, the asbestos-bearing ironstones consist of a comparatively narrow width of the Pretoria Series, also a part of the Transvaal System.

The likely genesis of the amphibole asbestos (crocidolite) from the ferruginous sediments might reasonably account for the marked difference in the Cape and Transvaal "Blue" asbestos and also the presence of amosite asbestos associated with "Blue" in some places in the Transvaal fields.

A distinct physical feature of all the asbestos occurrences in the banded ironstones is the regularity of the cross-fibre seams in following the direction of strike of the formation, regardless of faulting or folding of the strata.

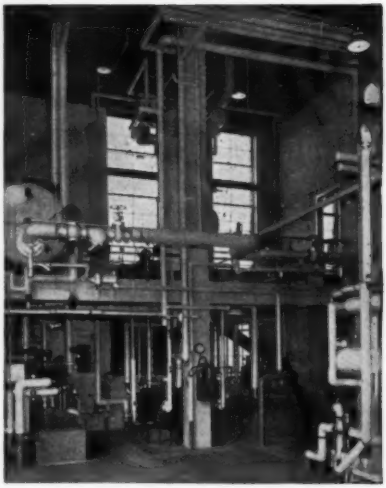
CAPE FIELDS

The Griquatown Series of banded ironstone is known to run for a distance of over 250 miles, extending from about 25 miles south east of Prieska to a point over 100 miles north west of Kuruman.

Seams of fibre or indications are usually traced outcropping in the lower Griquatown beds, and, altho these are not continuously visible, at certain points enriched fibre growth has produced more than one horizon consisting of groups of several seams together. It is in these areas that conditions invited early and easy exploitation of the deposits by simple surface workings, which were later assisted by adit tunnel openings to remove the ore being mined in the narrow stopes. At this time much of the work was carried out by native labor employed on a contract system.

MINING. Where the fibre seams persisted in depth, and were sufficient in number to make stopping economical, more up-to-date methods were inaugurated. Within the past fifteen years, compressed air drills were introduced on most of the Cape Mines, where ore reserves and values warranted the use of mechanical methods of extraction.

Similarly, where diamond drilling or other explora-



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tory methods had proved the extension of the "reefs" at depth, vertical and incline shafts have been sunk to handle the ground below the lowest possible adit levels.

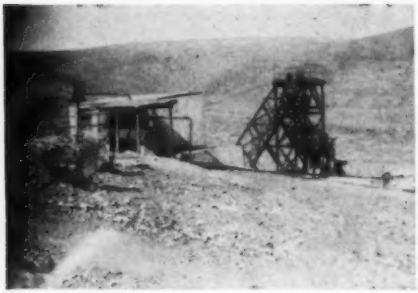

Figure 2

Figure 2 is a picture of a headgear over one of the shafts on the Westerberg Mine. At the Blackridge Mine also, ore is being hoisted by means of a vertical shaft. In the northern areas of the Cape fields, where the "reefs" generally assume a flat angle of inclination, ore is usually hoisted up incline shafts.

Because of the different conditions common on this field, mining methods vary considerably; much depends on the dip of the "reefs" and the stoping width employed. This, in turn, depends on the number of seams of fibre which go to form the "reef", and if there are two or more horizons, the distance apart of these "reefs". Stope widths are carried as narrow as working conditions will permit in order to maintain as high a percentage value as possible—an important factor when working short fibre seams that give ore of only border-line payability.

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In general, open-breast stoping, with timber and waste packing to support the hanging is common practice. In exceptionally folded ground or where extreme faulting occurs, such as the synclinal folding shown in the accompanying picture, Figure 3, special methods are introduced to meet the changing conditions.

Figure 3

Obvious waste material is sorted underground and used in waste packs for ground support. Further sorting is carried out on the surface and only knapped ore is sent to the mill.

The nature of these deposits rarely provides a large concentration or production of ore from any central point; instead, ore for the mill is drawn from a number of mining sections located at varying distances. Tip trucks are used for the delivery of ore from scattered mine sections to the mill.

The second installment of this article will be published in the August issue.

WANTED

MANUFACTURING SUPERINTENDENT

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MARKET CONDITIONS

GENERAL BUSINESS

The business situation continues much the same as over the past few months. There has been little evidence of further inflation and in the markets for certain consumer's goods, particularly "hard" goods, a distinct slackening in demand has been evident. On the other hand, the aggregate volume of industrial operations is about the same as at the peak level of last March. Unemployment remains below normal, and except for slight dislocations due to shifts from civilian to defense production, the entire productive plant seems to be operating at close to record levels.

ASBESTOS — RAW MATERIAL

Demand for certain grades used in cement products and paper has relaxed somewhat due probably to the curtailment in new home construction. The demand for spinning and shingle grade fibres still exceeds output.

ASBESTOS — MANUFACTURED GOODS

Asbestos Textiles. The market situation remains unchanged. Demand for all textiles, particularly cloth, by agencies of the Defense Department, continues at such a high level that civilian users are operating on a hand to mouth basis. One serious limitation on ability of producers to satisfy this demand is the shortage of fibres of spinning grades.

Brake Lining. The market for brake linings and clutch facings of all types continues good and prices are firm.

Asbestos Paper. The situation in this market is unchanged from last month. Demand for all types of paper, including saturated felts, is just about equal to productive capacity, and is expected to decrease somewhat during the summer months, with a better situation expected in the fall.

Asbestos Millboard. Current demand is apparently not sufficient to create backlogs of any appreciable size. The market situation is "fair" to "good".

Insulation. High Pressure. Demand for these products has slackened somewhat altho some producers still have a

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reasonably comfortable backlog. Some inquiries for defense jobs are starting to appear and some of them are so large compared with the ordinary run of business that manufacturers feel their capacity will be taxed to supply them if construction schedules are to be met.

Insulation. Low Pressure. The market for these products remains slack, probably due to seasonal factors plus unwillingness of jobbers to build up stocks. Prices are reasonably firm.

Asbestos-Cement Products. The market for shingles, roofing and siding is sluggish, due probably to the reduction in home construction.

Corrugated and flat sheets continue in good demand and it is felt that this market will remain good as long as industrial expansion and rehabilitation continues at present levels.

For the reasons stated last month the market for Asbestos cement pipes is very strong, altho the slowdown in housing may cut demand for certain products such as flue pipe and house connection sewer pipe.

AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS

RESEARCH CONTRACTS RENEWED

The American Society of Heating and Ventilating Engineers has renewed cooperative research contracts at seven institutions, it was announced on May 20th. The contracts, which are for the period July 1, 1951 to June 30, 1952, are as follows:

1—College of Medicine, University of Illinois—Physiological reactions of physically impaired persons to changes in environment.

2—Case Institute of Technology—Air flow from ceiling outlets.

3—Kansas State College—The downblow of heated and cooled air-streams.

4—University of Minnesota—Solar energy as a potential heat source for the heat pump.

5—University of Florida—Air entrainment in hot water heating systems.

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And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

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Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
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6—Michigan State College—Friction in rectangular off-take fittings.

7—Cornell University—Studies of the sol-air thermometer and the sol-air temperature concept.

The action was taken on the recommendation of the Committee on Research of the society. Also renewed was a research fellowship at the University of Minnesota covering field studies on the control of panel heating systems. The Committee on Research made its recommendations at its Spring Meeting at the ASHVE Research Laboratory in Cleveland, April 19. I. W. Cotton, chairman, presided.

MEMBERSHIP INTEREST

The Committee also decided that it would determine membership interest in the research program during the fall of 1951. It recognized the valuable results that came out in a survey conducted in the 1948-49 winter and felt that a re-analysis would be of considerable value in keeping the society's long-range research program up-to-date and in maintaining the society's interest in the program.

The policies underlying the operation of the Committee on Research and the society's technical advisory committees were considered in detail and two sub-committees were appointed to prepare operational guides for the Committee and the TAC's in line with the new charter and by-laws.

DEFENSE DEPARTMENT INFORMED

Cyril Tasker, ASHVE director of research, reported that he has made available to various agencies in the Research and Development Branch of the Department of Defense, details of the society's facilities and staff for carrying on fundamental research on problems in heating, ventilating air conditioning and related fields.

The Committee on Research decided that the chairman should keep government officials and agencies informed concerning the type of research which the society might do while still pursuing its current research program as approved by the Council for the fiscal year 1951.

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United States

(From U. S. Bureau of Mines)

Preliminary estimated of production of Asbestos in the United States during 1950 was 42,000 short tons. The actual figures have now been received — 42,434 tons. Compared with 43,387 in 1949.

Chrysotile was produced in Vermont and Arizona. Amphibole output was reported from California, Georgia, North Carolina and Oregon.

	1950		1949	
	Tons	Value	Tons	Value
Domestic Asbestos Sold or Used by Producers	42,434	2,925,050	43,387	2,614,416
Imports (Unmanufactured)	705,253	47,250,245	509,365	33,939,582
Exports (Unmanufactured)	18,901	3,619,428	17,621	3,618,703
Apparent Consumption	728,786	46,555,867	535,131	32,935,295

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons — 2000 lbs

Production February 1951	6,071.42 tons
Valued at	£411,878
Production February 1950	5,541.35 tons
Valued at	£334,344
Production for March 1951	6,393.15 tons
Valued at	£417,952
Production for March 1950	5,690.50 tons
Valued at	£326,771

Canada

(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production March 1951	92,161
Compared with March 1950	68,357
Production April 1951	84,774
Compared with April 1950	68,724

Dominion Production for March 1951 is 94,905, a difference of 2,744 tons from the Quebec figure.

Dominion Production for April 1951 is 86,767, a difference of 1,993 tons from the Quebec figure.

Africa (Swaziland)

Production May 1951 ..... 2,750 tons (2000 lbs.)

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IMPORTS AND EXPORTS

Imports into U. S. A.

(Figures by Bureau of Census)

	March 1951 Tons (2240 lbs.)
From Canada	72,153
S. Rhodesia	515
U. of S. Africa	1,175
South America	19
Europe	304
	74,166
Valued at	*$6,208,415*
By Grades:	
Crude No. 1, Chrysotile, Canada	27
Crude No. 1, Chrysotile, S. Rhodesia	36
Crude No. 2, Chrysotile, S. Rhodesia	72
Crude, Other, Chrysotile, Canada	27
Crude, Other, Chrysotile, U. of S. Africa	125
Crude, Other, Chrysotile, S. Rhodesia	407
Crude, Blue, S. America	19
Crude, Blue, U. of S. Africa	532
Crude, Amosite, U. of S. Africa	518
Textile Fibres, Chrysotile, Canada	1,814
Textile Fibres, Chrysotile, Europe	304
Shingle Fibres, Chrysotile, Canada	9,756
Paper Fibres, Chrysotile, Canada	9,843
Other Fibres, Chrysotile, Canada	50,686
	74,166

Manufactured Asbestos Goods:

	March 1951 Quantity (lbs.)	Value
Asbestos Yarn		
United Kingdom	53,707	$28,307
Europe	1,380	1,431
Asbestos Packing—Fabric		
United Kingdom	583	395
Asbestos Packing—Not Fabric		
Canada	3	11
United Kingdom	1,662	880
Asbestos Woven Fabrics—Other		
Canada	4,138	3,573
United Kingdom	3,957	3,561
Asbestos Brake Lining (Mld)		
Canada	4,805	2,172
Mexico	2,150	675

Manufactured Asbestos Goods:

	March 1951 Quantity (lbs.)	Value
Asbestos-Cement Products (Not Impreg)		
Canada	341,472	15,370
Mexico	212,084	12,228
Asbestos-Cement Products (Impreg)		
Europe	10,636	899
Asbestos Manufacturers (Other)		
Canada	....	303
United Kingdom	....	2,857
	636,577	$72,662

Exports from U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos:

	March 1951 Tons (2240 lbs.)	Value
To United Kingdom	18	$ 9,000
South America	236	43,444
Central America and Mexico	40	7,618
Europe	261	61,361
Other Countries	520	124,968
	1,075	$246,391

Manufactured Asbestos Goods:

		March 1951 Quantity	Value
Asbestos Pipe Covg. & Cement	Lbs.	232,327	$ 22,389
Asbestos Textiles and Yarn	Lbs.	32,344	35,063
Asbestos Packing	Lbs.	138,563	130,355
Asbestos Brake Lng. (Mld.&S.Mld)	Lbs.	644,391	522,913
Asbestos Brake Lng. (Woven)	Lin. Ft.	134,336	74,623
Asbestos Clutch Facings	No.	93,939	69,131
Asbestos Brake Blocks	Lbs.	53,269	52,691
Asbestos Construction Materials	Lbs.	2,185,610	159,495
Asbestos Manufacturers—other		....	47,329
			$1,113,989

EXPORTS FROM CANADA

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos Crude

	March 1951 Tons (2000 lbs.)	Value
United States	41	$ 27,966
United Kingdom	....	....
South America	....	....
Central America & Mexico	....	....
European Countries	....	....
Other Countries	....	....
	41	$ 27,966

Milled		
United States	22,773	$3,284,376
United Kingdom	2,761	441,178
South America	1,309	227,612
Central America & Mexico	365	66,173
European Countries	3,286	589,048
Other Countries	2,903	418,684
	33,397	$5,027,271
Shorts		
United States	59,914	$2,989,838
United Kingdom	2,595	110,336
South America	150	10,020
Central America & Mexico	100	5,261
European Countries	2,149	133,249
Other Countries	1,456	107,221
	66,364	$3,355,925
Grand Total—Unmanufactured Asbestos	*99,802*	*$8,411,162*
Manufactured Asbestos Goods:		
Brake Lining		$ 51,121
Packing		....
Other Materials		21,955
		$ 73,076

Imports of Asbestos by United Kingdom

Raw Material

	May 1951 Tons (2240 lbs.)
From Union of South Africa	1,543
Southern Rhodesia	2,102
Bechuanaland, Basutoland & Swaziland	1,725
Canada	3,309
Other Commonwealth countries and the Irish Republic	295
Foreign Countries	4
	8,978

Of this 8,978 tons, 5,464 were Chrysotile, and 3,514 other varieties.

These figures were supplied by the Mining Journal Limited of London.

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BUILDING

Construction contracts awarded in the 37 states east of the Rockies during May showed marked gains over April and were substantially ahead of May 1950, it was announced today by F. W. Dodge Corporation, construction news and marketing specialists. The May figure for the 37 states was $2,572,961,000 or 87 per cent above the previous month and 91 per cent more than May a year ago.

The first five months of 1951 were also ahead of the corresponding period 1950 by 34 per cent with a figure of $7,399,177,000.

Boosting the non-residential classification for May, and in turn the general construction total, were three Atomic Energy projects with awards totaling $980,000,000. The largest, $600,000,000 was the Savannah River project in South Carolina. Two others, one in Hamilton county, Ohio and one in Paducah, Kentucky, accounted for construction award gains in their respective areas.

Non-residential contracts at $1,633,908,000 in May were 215 per cent more than April and 300 per cent greater than May a year ago. Residential awards of $661,094,000 were 12 per cent above April but 2 per cent below May 1950. Public and private works and utilities at $277,959,000 were 4 per cent higher than April and 5 per cent greater than May last year.

Five month totals 1951 showed the following gains over the comparable period 1950: Non-residential, $3,513,365,000, up 89 per cent; residential, $2,778,575,000, up 6 per cent; public and private works and utilities, $1,107,237,000, up 8 per cent.

AUTOMOBILE SALES

	May 1951
Passenger Cars	512,076
Motor Trucks	140,050
Motor Coaches	742
	652,868

In May 1950 a total of 696,893 were sold. In the five months of 1951, January, February, March, April and May, the total was 3,272,316.

These figures were supplied by the Automobile Manufacturers Association, New Center Bldg., Detroit, Michigan.

NEWS OF THE INDUSTRY

BIRTHDAYS

Irving McCormick, President, The McCormick Asbestos Company, Baltimore, Md., July 13.

Alfred Carr, Oldest Living Pipe Coverer, San Francisco, California, July 14.

R. D. Cross, Secy-Treasurer, Smith Asbestos Products, Inc., Millington, N. J., July 16.

Thomas L. Gatke, President, Gatke Corporation, Chicago, Illinois, July 16.

L. U. Noland, Chairman of the Board, Noland Co., Inc., Newport News, Va., July 17.

G. F. Bahrs, Treasurer, The Ruberoid Company, New York City, N. Y., July 18.

Clifford F. Favrot, President, Asbestone Corporation, New Orleans, La., July 18.

J. F. D. Rohrbach, President, Raybestos-Manhattan, Inc., Passaic, N. J., July 18.

O. H. Waechter, Asbestos Cement Associates, Inc., Millington, N. J., July 18.

C. C. Gibson, Executive Vice President, Pabco Products Inc., San Francisco, Calif., July 20.

C. B. Whitley, Secretary, Scandinavia Belting Company, Charlotte, N. C., July 20.

C. J. Backstrand, President, Armstrong Cork Company, Lancaster, Penna., July 21.

Laurence W. Clarke, Vice President, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, July 21.

R. S. King, Chairman, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, July 21.

W. S. Simpson, Director & Secretary, Raybestos-Manhattan, Inc., Bridgeport, Conn., July 21.

R. R. Galloway, Sales Manager, Building Materials Division, Pabco Products, Inc., San Francisco, Calif., July 22.

Charles A. Saitta, President, Asbestos Corporation of America, New York City, July 23.

Sir John Greenly, Director, The Cape Asbestos Co., London, England, July 25.

C. R. Hubbard, Vice President, Garlock Packing Co., Palmyra, N. Y., July 25.

Hilton A. Moberg, President, Arnold Insulations, Inc., Chicago, Ill., July 25.

George R. Weber, Vice President & Director, Raybestos-Manhattan, Inc., Manheim, Pa., July 25.

Frank C. LeRow, Vice President & Treasurer, Asbestos, Asphalt & Insulation Mfg. Company, Chicago, Ill., July 26.

P. H. Ryan, Mid-western Representative, Asbestone Corporation, River Forest, Illinois, July 26.

R. S. Hammond, General Sales Manager, Bldg. Products Division, Johns-Manville Corporation, New York City, July 27.

John Ozurovich, President, Atlantic Asbestos Corp., New York City, July 31.

Harry H. Heckroth, Vice President, Penn Supply & Metal Corp., Philadelphia, Penna., Aug. 2.

C. W. Gregg, Treasurer & Director, The Flintkote Co., New York City, Aug. 3.

G. P. Reilly, Plant Manager, Smith Asbestos Products, Inc., Millington, N. J., Aug. 5.

A. P. Keasbey, President, Robert A. Keasbey Company, New York City, Aug. 6.

Paul C. Collopy, President, Acme Asbestos Covering & Flooring Company, Chicago, Ill., Aug. 8.

Grant V. Wilson, President, Grant Wilson, Inc., Chicago, Ill., Aug. 11.

Carl H. Cole, Branch Manager, Kelley Asbestos Products Co., Tulsa, Okla., Aug. 12.

W. L. Steffens, Vice President, The Philip Carey Mfg. Company, Lockland, Cincinnati, Ohio, Aug. 13.

Matthew L. Ladden, President, Ladden Asbestos Corporation, Brooklyn, N. Y., Aug. 15.

Ernest Muehleck, President, Keasbey & Mattison Company, Ambler, Penna., Aug. 15.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

ARMSTRONG CORK FIBREBOARD PLANT

An extensive modernization and expansion program amounting to approximately one million dollars is now in progress at the Pensacola, Fla., fibreboard plant.

The program, which primarily involves changes in the production line and the purchase of new machinery, is expected to result in increased capacity and product improvement to the Company's line of building materials. The company also contemplates additional purchases of land.

Scheduled for completion during the latter part of 1951, the project was begun last year when the Fourdinier forming machine was renovated and a new proportioning system was installed.

To provide a means for completely processing rough logs and to increase the usage of green wood, the Company will purchase a barking drum grinder. More efficient control of quality is expected with the installation of new screening and refining equipment, improved caliper control, and a new head box for the forming machine. Improvements in the dryer and enlargement and modernization of the plant laboratory also are planned.

The Pensacola plant, one of the two fibreboard plants operated by the Armstrong Cork Company, is managed by E. N. Lee. Temlock insulation board, roof insulation and equipment insulation are its principal products.

Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

Mundet district offices are located in these cities:

ATLANTA
339-41 Elizabeth St., N.E.

BALTIMORE 30
612 Battery Ave.

BOSTON
57 Regent St., N. Cambridge 40

CHARLOTTE 3, N. C.
507 S. Ceder St.

CINCINNATI 2
427 West 4th St.

DALLAS 10
601 Second Ave.

DETROIT 21
14401 Prairie Ave.

HOUSTON 1
Commerce and Palmer Sts.

INDIANAPOLIS 4
15 E. Washington St.

JACKSONVILLE 6, FLA.
800 E. Bay St.

KANSAS CITY 7, MO.
1401 St. Louis Ave.

KNOXVILLE
1221 Grand Ave.

LOS ANGELES
(Maywood): 6116 Walker Ave.

In Canada:
Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto

NEW ORLEANS 16
315-25 N. Front St.

NEW YORK 17
331 Madison Ave.

PHILADELPHIA 39
856 N. 48th St.

ST. LOUIS 9
3176 Brannon Ave.

SAN FRANCISCO 7
440 Brannon St.

ASBESTOS-CEMENT PRODUCTS ASSOCIATION
Elects New Officers

Wm. R. Wilkinson

William R. Wilkinson, vice-president for sales, Johns-Manville Corporation, was elected president at the fourteenth annual meeting, held June 20 in New York City. He succeeded Clifford F. Favrot of New Orleans, president of Asbestone Corporation.

D. W. Widmayer, vice-president and director of sales of Keasbey & Mattison, Ambler, Pa., was chosen vice-president of the industry group, which is comprised of asbestos-cement building materials manufacturers. Robert J. Tobin, president of Tilo Roofing Company, Stratford, Conn., was named treasurer and Chester C. Kelsey of New Canaan, Conn., was re-elected secretary. Laurence W. Clarke, vice-president in charge of sales, the Philip Carey Manufacturing Company, Cincinnati, Ohio, was added to the board of directors.

Mr. Wilkinson has been with Johns-Manville since April, 1925, and is a member of the company's Quarter Century Club. He was advanced to merchandise manager of his company's building products division in 1947 after holding sales positions in seven districts and in 23 states. In March of this year he was appointed to his present position. He has been active in industry affairs and in 1949 and 1950 served as president of the National Mineral Wood Association. His home is in Larchmont, N. Y.

JOHNS-MANVILLE
Announce New Appointments

Arthur J. Kroll has been appointed Director of Traffic and Joseph J. Scully as Assistant Director of Traffic.

Mr. Kroll, who has been Traffic Manager at the Manville, N.J. plant since 1943 joined the company in 1923 as a Traffic Clerk at Waukegan, Illinois. Since then he has held traffic posts at J-M plants at Alexandria and Richmond, Indiana.

Mr. Scully joined J-M in 1916 as a member of the General Traffic Department in New York City. He has since held responsible positions in the Traffic Department and in April 1944 was named Assistant to the Traffic Manager.

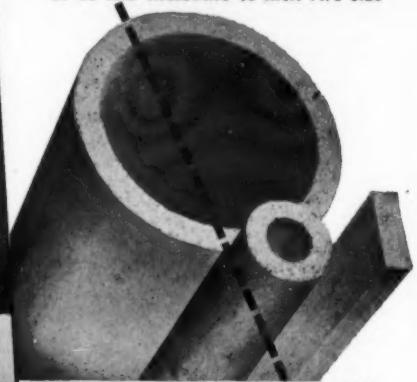
ETERNIT-WERKE LUDWIG HATCHEK

At the close of their jubilee year, Eternit-Werke Ludwig Hatchek, Vocklabruck, Austria has issued a very attractive book illustrating, in abbreviated form, their process of making thin asbestos sheets.

The Hatchek process was the first process developed which made it possible to make a thin sheet of asbestos cement material. An account of this process was published in our August 1936 number, page 3.

LIGHT DENSITY TYPE
PABCO
PRECISION MOLDED
85% MAGNESIA INSULATION
"THE DEPENDABLE STANDARD—MODERNIZED"
REG. U. S. PAT. OFF.
U. S. Patent Nos. 2,131,374—2,209,752—2,209,753—2,209,754

PIPE COVERING MADE IN SECTIONAL FORM
UP TO AND INCLUDING 18-INCH PIPE SIZE



COMPLETE RANGE OF SIZES AND THICKNESSES
IN BLOCKS AND PIPE COVERING

PABCO PRODUCTS INC., Insulation Division
475 Brannan Street, San Francisco 19, California
Engineering Service Units In Principal Cities

PABCO

REPORT ON UNITED ASBESTOS CORPORATION LTD.
Operations.

Engineer P. M. Malouf tells us that during May the 260 ft. level drive to the south reached a distance of 1,030 feet from the shaft, and an advance of 547 feet of drifting was made. This represents an average of 7.4 ft. per shaft, the size of drift being 7½ ft. x 7 ft. Of the total advance of 1,030 ft. of drifting to-date, 625 ft. represents excellent grade material with an indicated average of asbestos content of about 8%, this is considerably higher than the 4¼% indicated diamond drill hole grading. The face of the drift is in excellent material containing asbestos veins up to ¾" in width.

The majority of the fibres, he says, show a good percentage of shingle and cement stock and a much larger proportion of shorts.

It is proposed to carry this drive an additional 1,500 ft. to the south and to cross cut at regular intervals to explore the full width of the ore body which has been indicated by diamond drilling to be about 600 ft. It is anticipated that cross cutting will commence in a short time.

540 FT. LEVEL

The drift has now reached a distance of 107 ft. from the shaft and it is proposed to drive same for a distance of about 2500 ft. As this level is to be the main haulage horizon, the drift will have minimum dimensions of 8 ft. x 8 ft. A double track extends for a distance of 100 ft. from the shaft.

Drifting on this level has been good grade ore, averaging about 7%, or better, in asbestos. The last three rounds have shown considerable crude asbestos, at least ten veins measuring up to 1¼" in width have been observed in the last two rounds.

GENERAL

In addition to the mine plant and office, a machine shop has been erected, two small warehouses and store houses, belt and electrical shop completed. Underground, the pump and electrical installations have been completed.

WATER

The mine is making approximately 50 gallons of water per minute; pumping capacity of 400 gallons per minute on the 260 ft. level.

ATLAS ASBESTOS COMPANY APPOINTS
W. S. Cowell, General Sales Manager

Mr. Lorne Bain, Vice-President announces the appointment of Mr. W. S. Cowell as General Sales Manager of Atlas Asbestos Company Limited. Mr. Cowell has headed the Ferodo Division of Atlas, with which he will continue to maintain close contact. Recently Mr. Cowell was elected President of the Canadian Automotive Wholesalers and Manufacturers Association and is also Past Chairman of the Montreal Section of the Society of Automotive Engineers.

SMITH & KANZLER CO.

Manufacturers of

ASBESTOS PAPER

Pipe Covering & Blocks

Air Cell

Wool Felt

Anti Sweat

Anti Freeze

Sponge Felt

Multi Ply

Established 1920

East Linden Ave., Linden, N.J.

ASBESTOS BAGGING MACHINE

The April 21, 1951 issue of South Africa Mining and Engineering Journal tells of a patent granted to Mr. Roland Starkey, C. B. E., technical director of the Turner & Newall group of asbestos mines, in respect of a machine for the automatic bagging of asbestos and other fibres.

Designated the "Starmac" bagging machine, it is simple in construction and operation. The fibre is fed into a cylinder by the rotation of a screw, and compression of the fibre within the cylinder is effected by a band which restricts the movement of the bag or other container. Rotation of the compressed asbestos is regulated by axial ribs round the periphery of the cylinder.

In principle the "Starmac" bagger was designed by Mr. Starkey, and the detailed construction was completed by Mr. Lloyd Mace, resident engineer of the Havelock Asbestos Mine, and it has released for other work, several hundred Natives who were previously employed ramming the fibre into bags by hand. The machines are in operation at the Havelock Mines, Swaziland, and the Rhodesian mines of the group at Mashaba and Shabani. The output of a single machine runs as high as 50 bags an hour, dependent on the type of fibre being packed.

PHILIP CAREY MFG. COMPANY
Announces Changes in Executive Personnel

W. L. Steffens, Sales Manager, Insulation Division, will retire January 1, 1952. Mr. Steffens has held many positions with Carey since he joined the Company in 1911 and is recognized thruout the industry as an expert on all types of industrial insulation.

J. C. Rector, present Cincinnati District Manager will succeed Mr. Steffens. Mr. Rector has had a long career with Carey in marketing their building materials and industrial products.

W. H. Skinner, formerly Assistant District Manager, who has been with Carey for the past thirty-three years, will succeed Mr. Rector.

J. O. McFalls, one of the Cincinnati district office's most successful salesmen, has been nominated to fill the vacancy created by Mr. Skinner's appointment.

PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

Fiberized Asbestos

The World's Finest Fibre

DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

PORTER-HAYDEN COMPANIES

The Porter-Hayden Companies, Insulation Engineers and Contractors, of Newark, New Jersey, are now offering a so-called "U-Tile Conduit".

For general underground pipe work these companies usually recommend their larger "Therm-O-Tile" Conduit, which has been used for many years in connection with large central heating installations.

But, every once in a while they have found need for a conduit for one-pipe installations, or for installations having several small pipes. Hence the development of this U-Tile Type Conduit. This conduit system is in addition to the 27 different sizes of Therm-O-Tile Underground Conduit.

These U-Tiles are shipped to the job as "flattened cylinders", scored longitudinally on both of the flattened sides. Tapping over each scoring with a hammer splits the cylinders into two "U" tiles. A circumferential scoring at one end of each tile when chipped off provides a rough-edged bevel which permits the jointing mortar to key and bond into the channels formed within the tile sections. This makes possible strong, tight, flush joints, which can be effectively sealed with asphalt waterproofing mastic.

H. W. PORTER & CO., Inc.—Reid Hayden, Inc., recently published an eight page, well illustrated booklet A.I.A. File No. 30—C—6 (NN) describing Thermo-O-Tile Underground Pipe Conduit. Copies can be obtained by addressing them at 825 Frelinghuysen Ave., Newark 5, New Jersey.

THE RUBEROID COMPANY

Offers Handy Device to Contractors

Designed to assist contractors and architects in quickly and easily determining the correct specifications for various types of built-up roofing, The Ruberoid Company has created a handy device called the built-up roof "Selector".

Conveniently small for desk use, the "Selector" is manipulated like a slide rule and is used in conjunction with Ruberoid's 1950 specification book. On the front of the device a detailed vertical scale covers the three basic factors which must be taken into account in any sound built-up roofing job: (1) slope of roof deck; (2) type of roof, and (3) whether or not roof insulation is to be employed. When the pointed is set to the desired factors an exact reference to the correct specifications appears automatically. The "Selector" is available at no cost to architects and contractors upon writing to The Ruberoid Company, 500 Fifth Avenue, New York 18, N. Y.

AMERICAN BRAKE SHOE COMPANY

Declared a quarterly dividend

American Brake Shoe Company declared a quarterly dividend of 60 cents a share on the common stock, payable June 29th to stockholders of record June 22nd. The regular quarterly dividend of one dollar per share was also declared on the preferred stock.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES

Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia insulation

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FACTORY, BARKING, ESSEX

United States Sales Agent:
ARNOLD W. KOEHLER
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TELEPHONE—VANDERBILT 6-1477

THE RUBEROID COMPANY
Introduces New Type Asbestos-Cement Siding

A new type of asbestos-cement siding, designed to add to the exterior beauty of homes thru modern color styling, has been introduced by the Ruberoid Company.

The new product, known as Color-Grained Asbestos Cement Siding, differs from ordinary forms of colored asbestos siding in that the general appearance of an outside wall is brightened and enlivened by a pleasing interplay of light and shadow. This effect has been achieved, according to the announcement, thru the development by the Ruberiod research organization of a unique manufacturing process which creates an accentuated wood-grain texture that catches the light from differing angles and thus results in soft modulations of the basic color.

The new material, which is adapted to home modernization as well as new construction, is presently available in four warm color tones—Rustic Brown, Birch Gray, Moss Green and Mission Ivory.

In developing the product, it was stated, Ruberoid was actuated by the growing popular demand for greater harmony in home decoration—a demand calling for a fireproof, long-lasting exterior material that will blend tastefully with different interior color schemes, and thus add the charm of distinctive personality to the house as a whole. In determining the color tones to be used, the Ruberoid research staff employed the services of Beatrice West, architect, designer and noted color consultant, whose organization has collaborated in color-styling a great many large housing developments in various parts of the country.

Altho the first announcement of the new product was not made until the middle of June, field reports to Ruberoid indicate that it has created a lively interest among prospective home builders and is already in substantial demand.

AMERICAN SOCIETY FOR TESTING MATERIALS,
Announces Fiftieth Anniversary Meeting

The American Society for Testing Materials, functioning as a committee from 1898, but officially incorporated as a national technical Society in 1902, will celebrate its fiftieth Anniversary during its 1952 week-long Annual Meeting in New York City, June 23-27. The meeting is to be centered at the Hotel Statler, with other nearby New York hotels cooperating.

Thruout the meeting the Tenth Exhibit of Testing Apparatus and Related Equipment will be in progress and the biennial Photographic Exhibit also will be staged.

The American Society for Testing Materials Board of Directors is planning special events during this week. A number of leading scientists and engineers from abroad who have done important work in the field of materials are being invited to the meeting and will participate in the program.

ASBESTOS FIBRE

SOUTH AFRICAN MOST GRADES
SHINGLE FIBRES
CAPE BLUE AMOSITE
BLENDS

A NEW MODERN ASBESTOS PLANT WITH REVOLUTIONARY EQUIPMENT

Your inquiries are invited.

We are specialists in blending and refining fibres for any type of work. Experience with many industries shows better results than using the standard numbers.

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HUMBOLDT 5-2372

GEORGE S. FABEL, CHAIRMAN
Executive Committee, Thermoid Company

George S. Fabel

George S. Fabel, active in the asbestos and rubber industries since 1917, has been elected chairman of the Executive Committee of the Thermoid Company, Trenton.

Mr. Fabel, a Thermoid Company director, is also president of one of the company's subsidiaries, Southern Asbestos Company, Charlotte, N.C.

Thermoid manufactures automotive and industrial rubber, asbestos and textile products at plants in New Jersey, North Carolina, Indiana, Utah, California and Ontario, Canada.

BULLETIN ON THERM-O-FLAKE HIGH TEMPERATURE INSULATION

Therm-O-Flake High Temperature Insulation is available for prompt shipment. Insulation block with high insulating efficiency and structural strength includes calcined diatomaceous silica, exfoliated vermiculite and asbestos fibre, strongly bonded with a water resistant binder and laminated by an exclusive molding process. In standard or made-to-order shapes for flat or curved surfaces. Weighs about 22 lbs. per cubic foot. Write the Illinois Clay Products Co., 208 South LaSalle St., Chicago 4, Illinois, for bulletins on these insulation materials.

NAYLOR PIPE COMPANY
Offers Bulletin on Heavy-Duty Coupling

Naylor Pipe Company, Chicago, has just issued an illustrated bulletin describing its Heavy-Duty Wedge-Lock Coupling for use on temporary or permanent pipe lines. Speed and simplicity of connection are features, according to the description, and a hammer is the only tool required to connect or disconnect the coupling. Complete specifications on this one-piece positive type coupling are included in range of light-weight pipe sizes from 8 inches to 30 inches in diameter. Copy of this bulletin may be obtained from the company at 1230 East 92nd Street, Chicago 19, Illinois.

C. H. SHAVER ELECTED
Chairman of Board, U. S. Gypsum Co.

C. H. Shaver, Vice President and Treasurer of U. S. Gypsum Company, was elected chairman of the board to succeed S. L. Avery, who announced at the annual meeting of stockholders earlier that he would continue as a director. Mr. Shaver will be the chief executive officer and will keep his post as treasurer, according to A. W. Irwin, secretary. No vice president was elected to succeed Mr. Shaver.

ACE ASBESTOS MANUFACTURING CO.

Importers, Exporters, Processors of Asbestos Fibres of All Varieties

of

RAW ASBESTOS

for

Every Use

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CHRYSOTILE
AMOSITE
AMPHIBOLE FIBRES

originating in
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CANADA
RUSSIA
CHINA
INDIA
RHODESIA
SOUTH AFRICA

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Large Capacity Fiberizing and Grading Plant

451 Communipaw Ave. **Jersey City, N. J.**

RAYMOND JAMES NEWBERRY DIES
Johns-Manville Corporation

Raymond James Newberry, fifty-five, Director of Traffic of Johns-Manville Corporation, died at his home in Mount Vernon, New York on May 14, 1951.

Born in New York City, Mr. Newberry was well-known in commercial traffic circles in New York and Chicago. In his position as Director of Traffic, he was responsible for rail, air, water and motor transportation of Johns-Manville raw materials and finished products at the company's twenty plants and three mines in the United States and Canada.

Prior to joining Johns-Manville Mr. Newberry had been associated with the Central Railroad of New Jersey and the Canadian Pacific Railway. He began his career with Johns-Manville in 1916 as a freight clerk at the company's headquarters in New York, advancing to the positions of assistant general traffic manager and general traffic manager, and was appointed Director of Traffic in May 1946.

Mr. Newberry was educated in New York City schools and attended New York University. He was a member of the Traffic Club of New York and had served that organization as Chairman of the Board and as a member of the Board of Directors. He was also a member of the National Freight Traffic Association, the Transportation Outing Club of New York, the Associated Traffic Clubs of America, the Union League Club of Chicago, and the Larchmont Shore Club, Larchmont, New York.

Mr. Newberry was a member of the Johns-Manville Quarter Century Club, an organization honoring those with 25 years or more of active association with the company.

Surviving are his wife and four sons.

UNION ASBESTOS AND RUBBER COMPANY
Declared a quarterly dividend

The Board of Directors of Union Asbestos and Rubber Company declared a quarterly dividend of 25c per share on the common stock payable October 1, 1951 to stockholders of record September 10th.

AMERICAN BRAKE SHOE COMPANY
Appoints New Assistant Chief Engineer

Bernard R. Brown was recently appointed assistant chief engineer of the Southern Wheel Division of American Brake Shoe Company.

Mr. Brown joined the Company in 1920 and has held various sales and engineering positions.

JOHNS-MANVILLE CORPORATION
Declares dividend

At a meeting of the Board of Directors of Johns-Manville Corporation, held Wednesday, May 16, at the company's office, a dividend of 75 cents per share was declared on the common stock of the corporation, payable June 11, 1951, to stockholders of record at the close of business on May 28, 1951.

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Long and short fibres — Prompt shipment

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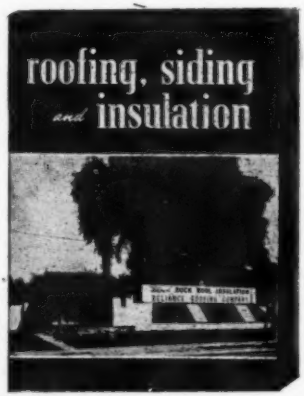

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of selling the nation's roofing, siding and insulation contractors!

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PUBLISHING CO.
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THERMOID COMPANY

Demand for Thermoid Company products in the Automotive Replacement Sales Division made the biggest increase in the Company's history during 1950.

According to an annual report over the signature of Thermoid's President Fred Schluter, the dollar volume in the Automotive Replacement Sales Division was up over 25% for the year.

High praise was paid the Division in Mr. Schluter's report for administrative and sales streamlining introduced by George S. Lamson, named Manager of the Division in late 1949 and a Vice President of the Company in 1950.

Result of many organization changes effected by Mr. Lamson has been to bring the Company into a closer and more efficient working relationship with its customers, Mr. Schluter said.

UNITED STATES RUBBER COMPANY APPOINTS
Noel E. Williams, Industrial Relations Manager

Noel E. Williams has been appointed industrial relations manager of Winnsboro Mills, United States Rubber Company's textile plant at Winnsboro, South Carolina, it was announced by M. A. Kirkland, plant manager.

Mr. Williams, who was born in Westminster, S. C., has resided in Winnsboro since he joined the rubber company in December 1943. He has served as employment supervisor, industrial relations supervisor and personnel supervisor at Winnsboro Mills.

During World War II, Mr. Williams was a civilian flying instructor for the War Department at Sumter, S. C. He was graduated from the College of Charleston with a B. S. degree in 1938 and was awarded an L.L.B. degree at the University of South Carolina in 1941.

KEASBEY & MATTISON COMPANY TO ERECT NEW PLANT
At Santa Clara, California

The Keasbey & Mattison Company recently acquired a 26-acre site in Santa Clara, California, and propose to erect a plant on the site for the manufacture of asbestos-cement products. Initial engineering work is now being carried for the K&M Company by the Austin Company.

ASBESTOS-CEMENT ASSOCIATES, Inc.
Dissolves Business

Asbestos-Cement Associates, Inc., of Millington, New Jersey wish to announce that they have dissolved their business as of June 30th, 1951. They are thankful to their many friends and particularly to "ASBESTOS" for past favors and many kindnesses.

The Lincoln Iron Works of Rutland, Vermont and F. G. Schranz, Inc., of Philadelphia are in a position to take over the services formerly rendered by this firm.

WET MACHINE FELTS

FOR

ASBESTOS CEMENT PRODUCTS

ASBESTOS MILL BOARD

•

DRYCOR FELT COMPANY

STAFFORDVILLE, CONN., U. S. A.

INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue **E. Rutherford, N. J.**

PABCO PRODUCTS, INC.

William A. Buckman Joins Pabco

William A. Buckman has joined Pabco Products Inc. as assistant to the Vice-President in charge of Marketing, H. J. Lilleston.

Buckman, a graduate of University of Pennsylvania's Wharton School, has a successful background in the field of selling products distributed thru wholesalers, retailers and direct to users. In addition he has extensive experience as a marketing consultant.

Mr. Buckman will concentrate on specific marketing problems for the various Pabco sales division—Building Materials; Paints; Floor Coverings; Insulations;—working in collaboration with the product sales managers involved.

THE MINING JOURNAL

Celebrates Three Anniversaries

The Annual Review, 1951 edition recently published by the Mining Journal contains an unusual amount of news concerning the mining fields of the world.

On Friday, June 1, the directors and staff of THE MINING JOURNAL celebrated three notable anniversaries. Mr. E. Baliol Scott has been Editor of the MINING JOURNAL for 50 years. Mr. F. V. Walters, widely known as City advertising representative, also completes 50 years with the Journal this year, while Mr. E. S. Hooper, familiar to trade advertisers both in London and the provinces has now been with the Journal for 21 years.

THE MINING JOURNAL, which itself has the distinction of being the oldest technical journal in the world, in all its 116 years there have been only seven Editors.

PABCO PRODUCTS INC.

Change in Territory Assignments

The following changes in Pabco Products Inc. territory assignments have just been announced by R. R. Galloway, Sales Manager, Building Materials Division.

Dixon Chubbuck is transferred from the Arizona territory to Los Angeles to specialize in asbestos-cement roofing and siding sales. Carter Schriber leaves Santa Barbara to take over the Arizona post. Ed Stalder, formerly of the headquarters staff in San Francisco, moves to Santa Barbara, while John Sutherland joins Pabco to replace Stalder in the office.

Leo LaPlant leaves the headquarters office group to cover the Oakland territory and is replaced by Robert Williams, a newcomer to Pabco.

JOHNS-MANVILLE

R. M. Langley Promoted

R. M. Langley has been promoted to District Manager of the Pittsburgh District, succeeding Eugene Dowling retiring District Manager. Mr. Langley started with J-M 29 years ago as salesman in the Cleveland district.

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CEMENT PLANT PLANNED
For Saudi Arabia

The Government of Saudi Arabia has indicated its interest in contacting a United States firm which would be in position to participate in a project to manufacture cement in Saudi Arabia.

Detailed plans of the project may be obtained from the Embassy of Saudi Arabia, 2800 Woodland Drive, N.W., Washington, D. C.

UNITED STATES RUBBER CO.
New Appointments

The appointment of Samuel R. Phillips as assistant to the general manager of Textile Division was announced by H. Gordon Smith, vice president and general manager of the division. Staton J. Peele, Jr., was named to succeed Mr. Phillips as manager of sales and production coordination for the textile division.

AMERICAN BRAKEBLOCK
Announces New Appointments

Thomas E. Akers was elected President. and Maurice W. Trainer was elected Chairman of the Board of Diminion Brake Shoe Company, Ltd., Kenneth T. Fawcett was appointed Vice President of the American Brakeblock and Kellogg division of the Company.

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BOOK LIST

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c per copy.

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25 per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textile for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each

Brake Linings of Various Types, By R. T. Halstead. Reprint (13 pages) from August, September and October 1949 "ASBESTOS". Price 25c per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished products, in plain language, illustrated, 25c a copy.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices. For figuring pipe covering and blocks. 75c per single copy postpaid. Discount in quantities of 6 or more, postage billed.

Order any of the above from "ASBESTOS", 808 Western Saving Fund Bldg., Philadelphia 7, Pa. Postage stamps acceptable for amounts less than $1.00.

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CURRENT RANGE OF PRICE

As of July 10, 1951

Canada—	**Per Ton (2000 lbs.) f.o.b. Mine**	
Group No. 1 (Crude No. 1)	$1,100.00 to	$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	485.00 to	900.00
Group No. 3 (Spinning Fibre)	275.00 to	450.00
Group No. 4 (Shingle Fibre)	135.00 to	151.00
Group No. 5 (Paper Fibre)	95.00 to	119.00
Group No. 6 (Waste, Stucco or Plaster)		70.00
Group No. 7 (Refuse or Shorts)	32.00 to	63.00
Vermont—		
Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.		
Group No. 3 (Spinning & Filtering)	$254.10 to	$274.45
Group No. 4. (Shingle Fibre)	122.65 to	148.50
Group No. 5 (Paper Fibre)	86.90 to	106.15
Group No. 6 (Waste, Stucco or Plaster)		64.90
Group No. 7 (Refuse or Shorts)	31.20 to	57.60

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness)

		July 1951		
	Par	Low	High	Last
Amer. Br. Shoe (Com)	np	34½	39⅝	34¾
Amer. Br. Shoe (Pfd)	100	102½	107½	103
Armst. Ck. (Com)	np	53½	57⅛	54
Armst. Ck. (Pfd)	np	94	98⅝	94½
Armst. Ck. (Conv. Pfd)	np	110¼	115⅝	111⅞
Asb. Corp. (Com)	np	51½	55	53
Asb. Mfg. Co. (Com)	1	....	....	....
Carey (Com)	10	17⅝	18¼	17⅝
Celotex (Com)	np	15⅜	16¾	15½
Celotex (Pfd)	20	16¾	17½	17⅛
Certainteed (Com)	1	14½	15½	14¾
Flintkote (Com)	np	26½	29⅞	27⅛
Flintkote (Pfd)	np	98½	101½	99½
Johns-Manville (Com)	np	51½	57	56
Pabco Products (Com)	np	16⅞	19⅜	17¼
Pabco Products (Pfd)	100	97	102½	99½
Ray-Man (Com)	np	36⅝	38	37
Ruberoid (Com)	np	52	55½	52
Thermoid (Com)	1	9¼	10⅜	9½
Thermoid (Pfd)	50	42	45	42
Union Asb. & Rub. (Com)	5	12½	13⅜	12⅝
United Asb. (Com)	1	....	....	....
U. S. Gypsum (Com)	20	105½	110½	108½
U. S. Gypsum (Pfd)	100	172¼	177	177
U. S. Rubber (Com)	10	56½	65	58
U. S. Rubber (Pfd)	100	129	133¾	130½

ROVINGS	WEBBINGS
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CLOTHS	JOINTINGS
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AFTERTHOUGHTS

¶ Concluding several years of study and planning, and with the approval of the Board of Trustees of the Corporation, Mr. C. R. Welborn, President of Underwriters' Laboratories, Inc. has announced a reorganization of the engineering departments. Designed to streamline the Laboratories' operation, the reorganization also serves to more accurately delineate the division of responsibility and thus paves the way for further growth and expansion of activities. Most prominent change has been the appointment of Karl S. Geiges as Chief Electrical Engineer. Mr. Geiges is taking up the Electrical Department duties of Mr. M. M. Brandon, Vice President, who will devote much of his time to the Chairmanship of the Electrical Committee of the National Fire Protection Association.

¶ The 39th National Safety Congress and Exposition will be held on October 8-12 in Chicago, Ill. Sessions on industrial safety scheduled for Stevens, Palmer House, Congress and Morrison hotels; traffic safety sessions at Congress hotel; commercial vehicle and farm safety sessions at La Salle hotel; school safety sessions at Morrison hotel, and home safety sessions at Stevens hotel. For further information write to R. L. Forney, general secretary, National Safety Council, 425 N. Michigan Avenue, Chicago 11, Illinois.

¶ The "Story of Asbestos Textiles" is the title of a very attractive and interesting booklet recently released by the Asbestos Textile Institute. "ASBESTOS" has a number of these booklets for distribution and anyone interested may obtain a copy upon writing us.

• • • —

In 1949 alone, enough asbestos siding was shipped by manufacturers to have covered well over 300,000 homes.

• • • —

"ARCHITECTURAL GRAPHIC STANDARDS", by Charles C. Ramsey and Harold R. Sleeper, probably the best-known and most widely-used reference books for architects, draftsmen, engineers, and builders was published in May by John Wiley & Sons in a new, much enlarged fourth edition. Price $10.00

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